



| SECTION 1: IDENTIFICATION   |   |
|---|---|
| Brand Name:   | Valley Agronomics Fertilizer  |
| EPA Registration #:   | Exempt  |
| Product Name:   | 0-0-60 Muriate of Potash  |
| Chemical Description:   | Macro and micro nutrient soluble fertilizer                         |
| Recommended Uses:   | Fertilizer product – See product label for full directions for use. |
| Restrictions for Use:   | See product label for any potential restrictions on use.            |
| Manufactured For:   |   |
| <p style="text-align: center;">Valley Agronomics LLC<br/>P. O. Box 365<br/>Rupert, ID 83350</p>   |   |
| <p style="text-align: center;"><b>FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL:<br/>CHEMTREC 1-800-424-9300 (24 hours)</b></p> |   |

| SECTION 2: HAZARDS IDENTIFICATION   |  |                  |
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| <b>EMERGENCY OVERVIEW:</b> Red colored granular fertilizer. May cause mild irritation to the eyes, skin, or throat. Ingestion of a large dose may cause nausea or vomiting. |  |                  |
| <b>POTENTIAL HEALTH EFFECTS:</b>  |  |                  |
| <b>Eyes and Skin:</b> Contact with eyes or skin could lead to irritation.   |  |                  |
| <b>Inhalation:</b> Inhaling dust may be harmful and lead to breathing trouble.  |  |                  |
| <b>Ingestion:</b> Ingestion of a large dose may induce nausea and vomiting.   |  |                  |
| <b>Preexisting Conditions:</b> Preexisting respiratory conditions may be aggravated by exposure to dust.  |  |                  |
| <b>Chronic Health Effects:</b> Lung Symptoms.   |  |                  |
| <b>Carcinogenicity:</b>   | NTP: Not listed  | IARC: Not listed |
| <b>SIGNAL WORD:</b> None  |  |                  |
| <b>Pictogram:</b> None  |  |                  |
| <b>HAZARD STATEMENTS:</b> None  |  |                  |
| <b>Percent of product with unknown toxicity:</b> None   |  |                  |
| <b>PRECAUTIONARY STATEMENTS:</b>  |  |                  |
| <b>Prevention:</b>  | Wash hands thoroughly after handling. Avoid unnecessary contact with skin and eyes. Avoid breathing dust. Avoid activities such as eating, drinking or smoking while using this product.   |                  |
| <b>Response:</b>  | <b>Eyes:</b> Flush eyes with plenty of water.<br><b>Ingestion:</b> Rinse mouth. Drink Plenty of water. If you feel unwell, call a poison control center or seek medical attention.<br><b>Inhalation:</b> Remove to fresh air. Seek medical attention if breathing trouble develops.<br><b>Skin:</b> Wash with soap and water. Seek medical attention if irritation develops. |                  |
| <b>Storage:</b>   | See Section 7 for storage information.   |                  |
| <b>Disposal:</b>  | See Section 13 for disposal information.   |                  |

| SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS  |        |            |
|--|--------|------------|
| Ingredient   | % (wt) | CAS Reg. # |
| Muriate of Potash  | 95-99% | 7447-40-7  |
| *Ingredients not specifically listed are non-hazardous and are considered to be confidential business information under 29 CFR 1910.1200(i). |        |            |
| See Section 8 for exposure limits.   |        |            |

**SECTION 4: FIRST AID MEASURES**

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| <b>Inhalation:</b> | Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.   |
| <b>Ingestion:</b>  | Seek medical attention or call a poison control center for treatment advice. Do not induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. |
| <b>Eyes:</b>       | Flush eyes with plenty of clean water. Lift eyelids to facilitate irrigation. If present, remove contact lenses after several minutes and continue rinsing. Seek medical attention if irritation persists.                   |
| <b>Skin:</b>       | Remove contaminated clothing and wash before re-using. Rinse skin with water and then wash thoroughly with soap and water. Seek medical attention if irritation persists.  |

**SECTION 5: FIRE FIGHTING MEASURES**

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| <b>Suitable Extinguishing Media:</b> Chemical type foam, Dry Chemical, Carbon dioxide, Dry chemical, Water fog or jet      |
| <b>Unsuitable Extinguishing Media:</b> None  |
| <b>Special Fire Fighting Procedures:</b> Wear NIOSH/MSHA approved self-contained breathing apparatus and full bunker gear. |
| <b>Unusual Fire and Explosion Hazards:</b> Releases small quantities of chlorine gas at high temperatures.                 |

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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| <b>Personal Precautions:</b> Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.  |
| <b>Environmental Precautions:</b> Keep out of waterways and all bodies of water. Do not contaminate any body of water by direct application, cleaning of equipment or disposal.  |
| <b>Methods for Containment:</b> Contain spill. Sweep up and scoop into suitable container for use or recycle. May be used as a fertilizer using good Agronomic practices.  |
| <b>Methods for Clean-up:</b> Avoid dust formation. Vacuum, scoop or sweep up material and place in a container for disposal. If product is uncontaminated, spilled material may be applied at the rate recommended on the label. Never return spills to original containers for re-use. After removal of spilled product, flush contaminated area thoroughly with water. |

**SECTION 7: HANDLING AND STORAGE**

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| <b>Handling:</b> Avoid prolonged contact with skin. Use dust mask if material is dusty. Separate from strong oxidizers such as chlorates and nitrites. |
| <b>Storage:</b> Store in cool, dry area. Keep out of reach of children.  |
| <b>Minimum Storage Temperature:</b> Not applicable   |
| <b>Other Precautions:</b> Consult Federal, state and local laws and regulations pertaining to storage.   |

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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| <b>Exposure Guidelines:</b> Follow first aid instructions. Seek medical attention or contact poison control. Prevent product from entering waterways.  |
| <b>Respiratory Protection:</b> If dust concentration exceeds permissible levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for general particulates.                 |
| <b>Local Exhaust:</b> Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred. |
| <b>Protective Gloves:</b> Wear gloves as needed  |
| <b>Eye Protection:</b> Safety glasses with side shield.  |
| <b>Other Protective Clothing or Equipment:</b> Normal clean work clothing. Eyewash fountain in area.   |
| <b>Work/Hygienic Practices:</b> Never eat, drink, nor use tobacco in work areas. Practice good hygiene   |

# Safety Data Sheet

## 0-0-60 Muriate of Potash

Exposure Limits: Unknown

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|                         |                            |  |                |
|-------------------------|----------------------------|--|----------------|
| Physical State:         | Granular solid             | Specific Gravity (H <sub>2</sub> O=1): | 2              |
| Vapor Pressure (mm Hg): | Not determined             | Density (lbs/ft <sup>3</sup> ):        | Not determined |
| Vapor Density (Air=1):  | Not applicable             | Melting Point/Freezing Point:          | 773°C          |
| Solubility:             | In water                   | Boiling Point/Range:                   | 1500°C         |
| Viscosity:              | Not applicable             | pH (1% solution):                      | 7              |
| Appearance and odor:    | Small to fine red granules | Flash Point:                           | Not flammable  |

### SECTION 10: STABILITY AND REACTIVITY

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| <b>Reactivity:</b> None under normal conditions   |
| <b>Chemical Stability:</b> Product is stable at ambient temperature and pressure, under normal storage and handling conditions. |
| <b>Possibility of Hazardous Reactions:</b> Will not occur   |
| <b>Conditions to Avoid:</b> Avoid excessive heat, dust generation and moisture.   |
| <b>Incompatible Materials:</b> Strong acids, hot nitric acid  |
| <b>Hazardous Decomposition Products:</b> Chlorine gas   |

### SECTION 11: TOXICOLOGICAL INFORMATION

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| <b>ACUTE TOXICITY</b>  |   |
| <b>Eye Effects:</b>  | Contact with eyes could lead to mild irritation.  |
| <b>Skin Effects:</b>   | Contact with skin could lead to mild irritation. Not acutely toxic by dermal exposure         |
| <b>Acute Inhalation Effects:</b>   | Inhaling dust may be harmful and lead to breathing trouble.                                   |
| <b>Acute Oral Effects:</b>   | Ingestion of a large dose may induce nausea and vomiting. Not acutely toxic by oral exposure. |
| <b>Specific Target Organ Toxicity:</b>   | None known  |
| <b>CHRONIC TOXICITY</b>  |   |
| <b>Chronic Effects:</b>  | None known.   |
| <b>Carcinogenicity:</b>  | No component is anticipated to have carcinogenic effects.                                     |
| <b>Mutagenicity:</b>   | No component is anticipated to have mutagenic effects.  |
| <b>Teratogenicity:</b>   | No component is anticipated to have teratogenic effects.                                      |
| <b>Reproductive Toxicity:</b>  | No component is anticipated to have effects on the reproductive system.                       |
| <b>POTENTIAL HEALTH EFFECTS:</b>   |   |
| <b>Eyes and Skin:</b> Contact with eyes or skin could lead to irritation.                                |   |
| <b>Inhalation:</b> Inhaling dust may be harmful and lead to breathing trouble.                           |   |
| <b>Ingestion:</b> Ingestion of a large dose may induce nausea and vomiting.                              |   |
| <b>Preexisting Conditions:</b> Preexisting respiratory conditions may be aggravated by exposure to dust. |   |
| <b>Chronic Health Effects:</b> None known.   |   |

### SECTION 12: ECOLOGICAL INFORMATION

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|--|---|
| <b>ENVIRONMENTAL SUMMARY:</b> Not toxic to aquatic organisms defined by USEPA. |   |
| <b>ECOTOXICITY DATA:</b>   |   |
| <b>Fish Acute and Prolonged Toxicity:</b>                                      | ( <i>Lepomis macrochirus</i> ) (blue gill) – 96 hour - LC <sub>50</sub> = 2010 mg/L(ppmKCl)   |
| <b>Aquatic Invertebrate Acute Toxicity:</b>                                    | <i>Daphnia magna</i> - 48 hours - EC <sub>50</sub> = 337 – 825 mg/L; ( <i>Physa heterostroph</i> ) - 96 hrs - LC <sub>50</sub> = 940 mg/L.                        |
| <b>Aquatic Plant Toxicity:</b>   | (Algae): ( <i>Nitzschia linearis</i> ) diatom - 5 days- 120 hour TLm = 1,337 ppm KCl; ( <i>Scenedesmus subspicatus</i> ) 72 hour - EC <sub>50</sub> = 2,500 mg/L. |

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|   |   |
|---|---|
|   | (Chlorella vulgaris) - 3 – 4 months - NOEC = 600 mg KCl/L, LOEL = 700 mg KCl/L. |
| <b>Bird Acute and Prolonged Toxicity:</b> | Not determined  |
| <b>Honeybee Toxicity:</b>                 | Not determined  |
| <b>ENVIRONMENTAL EFFECTS:</b>             |   |
| <b>Soil Absorption/Mobility:</b>          | Not determined  |
| <b>Persistence and degradability:</b>     | Not determined  |
| <b>Bioaccumulative Potential:</b>         | Not determined  |
| <b>Other adverse effects:</b>             | Not determined  |

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste:** Use or recycle. As the product is a fertilizer, use as fertilizer following good agronomic practices or consult local authorities. Dispose of in accordance with applicable Federal, state and local laws and regulations.

**Container:** Ensure all product has been emptied from the sack/bag. Dispose of emptied container in accordance with applicable Federal, state and local laws and regulations.

**RCRA Characteristics:** It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.

### SECTION 14: TRANSPORT INFORMATION

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|-------------------------|---|
| <b>DOT:</b><br>(Ground) | This product is not regulated by the U.S. Department of Transportation. |
| <b>IMDG:</b><br>(Sea)   | This product is not regulated by the IMDG.                              |
| <b>IATA:</b><br>(Air)   | This product is not regulated by the IATA.                              |
| <b>TDG:</b><br>(Canada) | Not determined.   |

### SECTION 15: REGULATORY INFORMATION

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| <b>OSHA:</b> | This product is not regulated by OSHA. |
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### SECTION 16: OTHER

Information regarding the contents and levels of metals in this product is available on the Internet at:

<http://www.aapfco.org/metals.html>

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